

## SUMMARY

### # Wires

Low voltage 3



Image is for illustrative purpose only

Series 3K  
Termination type Male crimp  
IP rating 68 mated (mating interface)  
AWG wire size 16.00 - 12.00  
Cable Ø 7.60 - 8.00 mm  
Status active  
Matching parts [EGG.3K.303.CYM](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FG\*: Straight plug, cable adapter and nut for fitting a bend relief  
Keying 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  
Housing Material Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces  
Variant Z : Nut for fitting a bend relief  
Weight 68.05 g

### Performance

Configuration 3K.303 : 3 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 25 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 65 N  
Contact Dia.: 2 mm (0.079in)  
Bucket Dia.: 2.4 mm (0.094in)  
Min. Conductor: 1.5 mm<sup>2</sup> (AWG 16)  
Max. Conductor: 2.5 mm<sup>2</sup> (AWG 12)

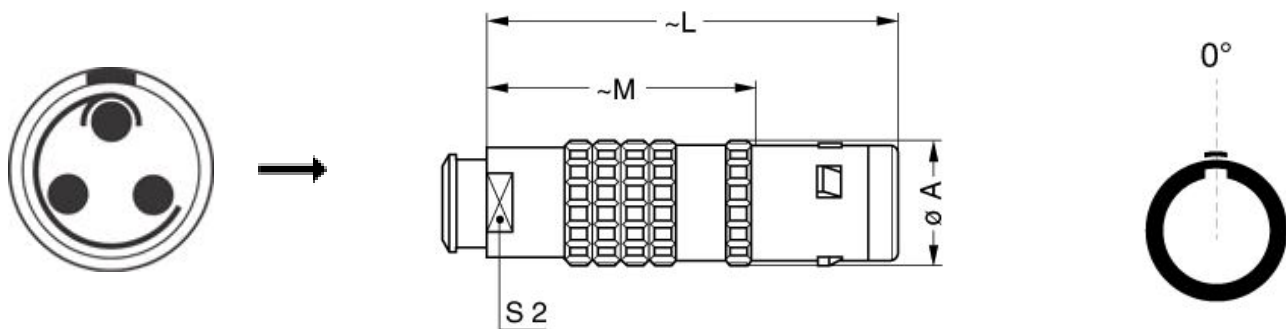
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R (max): 3.3 mOhm  
 Vtest (contact-shell): 2650 V (AC), 3750 V (DC)  
 Vtest (contact-contact): 3200 V (AC), 4530 V (DC)

## Others

Endurance (Shell): 5000 mating cycles  
 Temp (min / max): -55°C / +200°C  
 Humidity (max): <=95% [at 60 deg C / 140 F]  
 Vibration: 15 g [10 Hz - 2000 Hz]  
 Shock Resistance: 100 g [ 6 ms]  
 Climatical Category: 50/175/21  
 Shielding (min): 95 dB (10 MHz)  
 Shielding (min): 80 dB (1 GHz)  
 Salt Spray Corrosion: >1000 hr

## DRAWINGS



## Dimensions

	A	L	M	S2
mm.	19	60	40	15
in.	0,75	2,36	1,57	0,59

## RECOMMENDED BY LEMO

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## Tools

Crimp Tool:	<a href="#">DPC.91.101.A</a>
Crimp settings:	AWG/Selector = 12-14-16/7-6-5
Positionner:	<a href="#">DCE.91.203.BVCM</a>
Extractor:	<a href="#">DCC.20.25B.LAG</a>
Replacement contact:	FGG.3B.575.ZZC
Spanner wrench:	<a href="#">DCD.3E.ZZZ.PA150</a>
Caps:	<a href="#">BFG.3K.100.NAS</a>

## Cables

CMN.03.T14.078PGCE			
330150	PVC	Grey	

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